tents 7	Reference to last Measurement 8
7 –	
8 –	
37 –	
30 –	
0 –	
12 –	
75=N	

First & Final Bill

SBR#:- 65/13/14
27/6/13

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 197658

BR#:- 111/13-14
29/6/13

Serial No.....

Name of work: Construction of CC Road and RCC Drains at Srirasmaiah Layout in ward no-10. (Doddabommasandra) From..... To.....

Name of Contractor of nature of Agency: Sri. N. Naveen Rao. (N.S Chai construction)

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Work Code No:- 010-13-000024.						
	Head of Account:- P-1771.					AS: No 746/2012-13 Dt- 7-01-2013 T.S No 377/2012-13 Dt- 10-01-2013	
	Work order No:- EE/BTP/BBMP/E-proc/4569/W10/439/2012-13. Dt-16-03-2013.						
	Address of Agency:- #363, 1st Cross 10th Main Road, Sampige Layout, Vidyaranyapura. Bangalore —						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Measurement Recorded on -16-03-2013						
1)	Earth work excavation for foundation of buildings, culverts, water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation.						
	1st cross RHS	2	30.00	1.00	0.75 =	45.00 cum	
		2	30.00	1.00	0.75 =	45.00 cum	
		2	12.80	1.00	0.75 =	19.20 cum	
	1st cross LHS	1	17.70	1.00	0.75 =	13.28 cum	
	2nd cross RHS	2	30.00	1.00	0.75 =	45.00 cum	
		2	30.00	1.00	0.80 =	48.00 cum	
		2	13.00	1.00	0.75 =	19.50 cum	
	2nd cross LHS	2	18.50	1.00	0.75 =	27.75 cum	
	3rd cross LHS	2	30.00	1.00	0.75 =	45.00 cum	

C & Fc

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯುದ್ದೀಕರಣ ಉಪ ವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ,
ಬಿ. ಬಿ. ಎಂ. ಪಿ. ಬೆಂಗಳೂರು-97.

Serial No.....
Name of work.....
Name of Contractor of natur
Date of commencement of w

Date	Full description, etc, of
1	2
2)	providing and with opc cemen metal coarse machine mixed

	Contents 7	Reference to last Measurement 8
	ungs & culverts water & either in pits or in nary soil not exceeding nd sides of pits and om edges of excavation.	
	= 45.00 cum = 45.00 cum = 19.20 cum = 13.28 cum = 45.00 cum = 48.00 cum = 19.50 cum = 27.75 cum = 45.00 cum	C & Fc 2

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ವಿದ್ಯುದೀಕರಣ ಉಪ ವಿಭಾಗ
ಬೃ. ಬೆಂ. ಮ. ಸಾ. ಬೆಂಗಳೂರು-97.

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 197659

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		2	30.00	1.00	0.75 =	45.00 cum	
		2	13.40	1.00	0.75 =	20.10 cum	
					Total =	372.85 cum	
		Qty limited to Tender =				371.70 cum	
		@ Rs 130.00 -				Rs 48321.00	
2)	providing and laying in position plain cement concrete of mix M7.5 with opc cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed concrete laid in layers not exceeding 15 cms, thick						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1st cross RHS	2	30.00	0.90	0.15 =	8.10 cum	
		2	30.00	0.90	0.15 =	8.10 cum	
		2	12.80	0.90	0.15 =	3.46 cum	
	1st cross LHS	1	17.70	0.90	0.15 =	2.39 cum	
	2nd cross RHS	2	30.00	0.90	0.15 =	8.10 cum	
		2	30.00	0.90	0.15 =	8.10 cum	
		2	13.00	0.90	0.15 =	3.51 cum	
	2nd cross LHS	2	18.50	0.90	0.15 =	5.00 cum	
	3rd cross LHS	2	30.00	0.90	0.15 =	8.10 cum	
		2	30.00	0.90	0.15 =	8.10 cum	
		2	13.40	0.90	0.15 =	3.62 cum	
					Total =	66.57 cum	
		Qty limited to Tender =				66.38 cum	
		@ Rs 3956.00				Rs	262599.00

CBIT

27 [6] 2013

Serial No.....

Name of work.....

Name of Contractor of nature of A

Date of commencement of work....

Date	Full description, etc, of work
1	2
3)	providing and rem and removal of for Cantilever girders including cost of a 1st cross RHS
	1st cross LHS
	2nd cross RHS

ontents 7	Reference to last Measurement 8
10 Cum	
10 Cum	
46 Cum	
39 Cum	
10 Cum	
10 Cum	
51 Cum	
00 Cum	
10 Cum	
10 Cum	
62 Cum	
6.57 Cum	
6.38 Cum	
Rs	262599.00

C&F.

27/6/23

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 197660

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	3) providing and removing centering, shuttering, Strutting, propping etc and removal of form work for sides and soffits of beams, beam haunches cantilever girders, bracketts, corbels and lintels not exceeding 1m in depth including cost of all materials, labour etc						
	1st cross RHS	2x4	30.00		0.60 =	144.00 Sqm	
		2x4	30.00		0.60 =	144.00 Sqm	
		2x4	12.80		0.60 =	61.44 Sqm	
		1x4	17.70		0.60 =	42.48 Sqm	
	1st cross LHS				0.60 =	144.00 Sqm	
	2nd cross RHS	2x4	30.00		0.60 =	144.00 Sqm	
		2x4	30.00		0.60 =	144.00 Sqm	

C&F. 10%

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ
ವಿದ್ಯುದಾಗ್ನೇಯ ಉ
ಯಲಹಂಕ ವ
ಬ. ಬೆಂ. ಮ. ಸಾ. ಸಂ

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2x4	13.00		0.60 =	62.40 Sqm	
	2nd Cross LHS	2x4	18.50		0.60 =	88.80 Sqm	
	3rd Cross LHS	2x4	30.00		0.60 =	144.00 Sqm	
		2x4	30.00		0.60 =	144.00 Sqm	
		2x4	13.40		0.60 =	64.32 Sqm	
					Total =	1183.44 Sqm	
	Qty limited to Tender @ Rs 220.00 -					1062.00 Sqm	
						Rs 233640.00	
	4) providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kg/, with 20mm and down size graded granite metal, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastosizer @ 3lts conforming to IS 9103-1999 machine mixed concrete laid in layers not exceeding 150mm thick. Vibrated for all works in foundation, plinth and ground						

Serial No.....

Name of work.....

Name of Contractor of nature of A

Date of commencement of work...

Date	Full description, etc, of work
1	2
	1st Cross RHS
	1st Cross LHS
	2nd Cross RHS
	2nd Cross LHS
	3rd Cross LHS
	Side walls

Contents	Reference to last Measurement
7	8
2.00 Sqm	
8.80 Sqm	
4.00 Sqm	
4.00 Sqm	
4.32 Sqm	
83.44 Sqm	
062.00 Sqm	
RS 233640.00	
concrete of design	
d down size graded	
d fine aggregate	
ning to IS 9103-1999	
ding I cons truck	
tu and ground	

M.A.R. 57 (Rule 116)

Measurement Book No. C/09

197661

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1st cross RHS	2	30.00	0.80	0.10 =	4.80 cum	
		2	30.00	0.80	0.10 =	4.80 cum	
		2	12.80	0.80	0.10 =	2.05 cum	
	1st cross LHS	1	17.70	0.80	0.10 =	1.42 cum	
	2nd cross RHS	2	30.00	0.80	0.10 =	4.80 cum	
		2	30.00	0.80	0.10 =	4.80 cum	
		2	13.00	0.80	0.10 =	2.08 cum	
	2nd cross LHS	2	18.50	0.80	0.10 =	2.96 cum	
	3rd cross LHS	2	30.00	0.80	0.10 =	4.80 cum	
		2	30.00	0.80	0.10 =	4.80 cum	
	Side walls	2	13.40	0.80	0.10 =	2.14 cum	

C&Fc

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1st cross RHS	2x2	30.00	0.12	0.50 =	7.20cum	
		2x2	30.00	0.15	0.55 =	9.90cum	
		2x2	12.80	0.12	0.50 =	3.07 cum	
	1st cross LHS	2	17.70	0.12	0.50 =	2.12 cum	
	2nd cross RHS	2x2	30.00	0.15	0.50 =	9.00cum	
		2x2	30.00	0.12	0.50 =	7.20cum	
		2x2	13.00	0.15	0.50 =	3.90cum	
	2nd cross LHS	2x2	18.50	0.12	0.50 =	4.44 cum	
	3rd cross LHS	2x2	30.00	0.12	0.50 =	7.20 cum	
		2x2	30.00	0.15	0.50 =	9.00 cum	
		2x2	13.40	0.15	0.50 =	4.02 cum	
					Total =	106.50 cum	
					Qty limited to tender =	106.20 cum	
	@ Rs 5335.00					Rs 566577.00	

C & FC

ಕಿರಿಯ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯುದ್ದೀಕರಣ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ಮೈಸೂರು,
ಬೆ. ಪಶ್ಚಿಮ ಬೆಂಗಳೂರು-97

Serial No.....

Name of work.....

Name of Contractor of nature of Ag

Date of commencement of work.....

Date	Full description, etc, of work
1	2
5)	providing T.M.T S- straightening, cut and/or welding wh anchoring to ful as per design
	Qty Vide pag of this M.B

epth 6	Contents 7	Reference to last Measurement 8
50 =	7.20cum	
55 =	9.90cum	
50 =	3.07cum	
50 =	2.12 cum	
0 =	9.00cum	
50 =	7.20cum	
50 =	3.90cum	
50 =	4.44 cum	
50 =	7.20 cum	
50 =	9.00 cum	
50 =	4.02cum	
u =	106.50cum	
=	106.20cum	
	RS 566577.00	

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 197662

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
5)	providing T.M.T Steel reinforcement for R.C.C. work including straightening, cutting, bending hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design						
	Qty vide page No 197694 & 197697 of this M.B No 1977					= 53.10 Qtl	
	@ RS 7459.00					RS 396073.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	6) Filling available excavated earth (excluding rock) in sides of foundation upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour etc						
	1st Cross R.H.S	4	30.00	0.30	0.60 =	21.60 Cum	
		2	30.00	0.30	0.60 =	10.80 Cum	
		2	30.00	0.30	0.60 =	10.80 Cum	
		2	30.00	0.30	0.60 =	10.80 Cum	
		2	30.00	0.30	0.60 =	10.80 Cum	
		2	31.00	0.30	0.60 =	11.16 Cum	
	Cross Road R.H.S	2	30.00	0.30	0.60 =	10.80 Cum	
		2	14.50	0.30	0.60 =	5.22 Cum	
		2	24.00	0.30	0.60 =	8.64 Cum	
	Cross Road L.H.S	2	24.30	0.30	0.60 =	8.75 Cum	
					Total =	109.37 Cum	

C&F

Serial No.....

Name of work.....

Name of Contractor of nature of A

Date of commencement of work....

Date	Full description, etc, of work
1	2
	7) Lead for Disposal Mechanical means

	Contents 7	Reference to last Measurement 8
ck) in sides of foundation		
n depth, compacting		
watering with lead		
t of all labour etc		
= 21.60 cum		
= 10.80 cum		
= 10.80 cum		
= 10.80 cum		
= 10.80 cum		
= 11.16 cum		
= 10.80 cum		
= 5.22 cum		
= 8.64 cum		
= 8.75 cum		
= 109.37 cum		

C&F

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 197663

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Qty limited to Tender				=	106.20 Cum	
	@ Rs 88.00 -					Rs	9346.00
	7) Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means including loading and unloading. etc						
	Qty Vide Item no - 1				=	225.68 Cum	
	@ Rs 92.00 -					Rs	20763.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	8) providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc complete 10cms thick etc						
	1st cross RHS	2	30.00		0.75 =	45.00 Sqm	
		2	30.00		0.75 =	45.00 Sqm	
		2	12.80		0.75 =	19.20 Sqm	
	1st cross LHS	1	17.70		0.75 =	13.28 Sqm	
	2nd cross RHS	2	30.00		0.75 =	45.00 Sqm	
		2	30.00		0.75 =	45.00 Sqm	
		2	13.00		0.75 =	19.50 Sqm	
	3rd cross LHS	2	30.00		0.75 =	45.00 Sqm	
		2	30.00		0.90 =	54.00 Sqm	
		2	13.40		0.90 =	24.12 Sqm	
					Total =	355.10 Sqm	
	Qty limited to Tender =					354.00 Sqm	

C&Fc

2

Cost

2 Approx

ಸಹಾಯಕ ಕಾರ್ಯ... ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ವಿಭಾಗ
ಯಲಹಂ...
ಬೆ. ಮ. ಪಾ

Serial No.....

Name of work.....

Name of Contractor of nature of Agen

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	9) providing chamfering ... specifications. (only

Depth 6	Contents 7	Reference to last Measurement 8
	y roughly dressed and	
75 =	45.00 Sqm	
75 =	45.00 Sqm	
75 =	19.20 Sqm	
75 =	13.28 Sqm	
75 =	45.00 Sqm	
75 =	45.00 Sqm	
75 =	19.50 Sqm	
75 =	45.00 Sqm	
90 =	54.00 Sqm	
90 =	24.12 Sqm	
otal =	355.10 Sqm	
ver =	354.00 Sqm	

(C&Fe 2

ಸಹಾಯಕ ಕಾರ್ಯಪಾ
ವಿದ್ಯಾರಣ್ಯಪುರ
ಯಲಹಂ
ಬೆಂ. ಮ. ಪಾ

ಅಭಿಯಂತರರು
ವಿಭಾಗ

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 197664

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		@ RS 472.00				RS 167088.00	
	g) providing chamfering edged to Stone slab 2.5cms. wide as per specifications. (only chamfered length shall be recorded)						
		918	3.00			= 2754.00 meter	
		qty limited to Tender				= 2753.10 meter	
		@ RS 24.00				RS 66074.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
10)	providing two line dressing to granite stone slab/granite stone masonry etc complete as per specification and direction of engineer.						
	Qty vide Item no-08					= 354.00 Sqm	
	@ RS 634.00						RS 224436.00
						Total RS	1994916.00

certificate:

certified that the above work done satisfactory and no materials issued from department etally.

C&FC

Zadhav
AE 27/6/2013

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃ. ಬೆಂ. ಮ. ಸಾ.. ಬೆಂಗಳೂರು-97

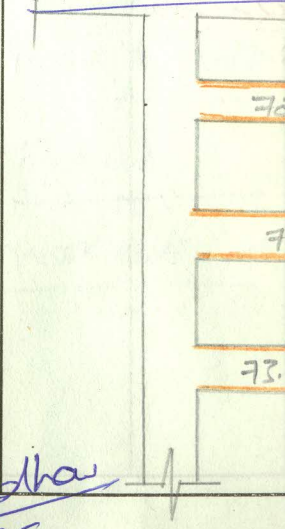
Serial No.....

Name of work.....

Name of Contractor of natu

Date of commencement of

Date	Full description, etc, o
1	2
	Sketch Shou



Zadhav
AE